

Serial No. 10/538,520

-3-

February 22, 2007

DRAFT AMENDED CLAIM 14

14. (Currently Amended) A jitter measuring method comprising:

a step of converting a signal to be measured, which is a clock signal extracted from a transmission signal to be transmitted in a data transmission system, into two orthogonal signals which are two signals whose phases are orthogonal to one another;

5 a step of calculating an instantaneous phase based on the two orthogonal signals converted by the step of converting into the two orthogonal signals within a range between a lower limit phase value set in advance and an upper limit phase value set in advance;

10 a step of detecting a differential value of the instantaneous phase calculated by the step of calculating the instantaneous phase;

15 a step of correcting the differential value of the instantaneous phase, and outputting a corrected differential value when the differential value of the instantaneous phase detected by the step of detecting the differential value of the instantaneous phase is over the range dependent on the lower limit phase value and the upper limit phase value;

20 a step of eliminating an offset component included in the corrected differential value from the corrected differential